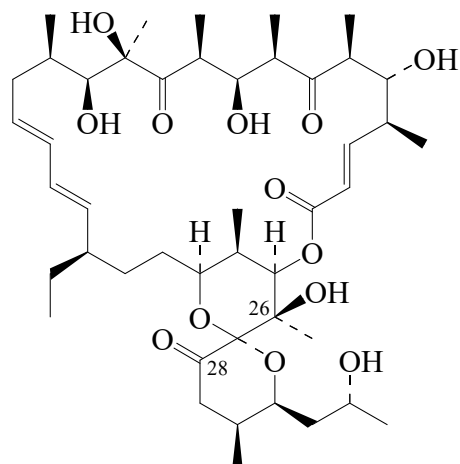




>>Entry Name: Oligomycin E

Synonym(s): 26-Hydroxy-28-oxooligomycin A, 9CI



CAS Registry Number: 110231-34-0

Related CAS Registry Numbers(s): 1404-19-9

Molecular Formula: C₄₅H₇₂O₁₃

Molecular Weight: 821.056

Accurate Mass: 820.497295

Percentage Composition: C 65.83%; H 8.84%; O 25.33%

Biological Source: Isol. from *Streptomyces* sp. MCI-2225

Biological Use/Importance: Active against gram-positive bacteria. Shows cytotoxic props.

Physical Description: Plates

Melting Point: Mp 120.5-121.5°

Optical Rotation: $[\alpha]_D^{25} -49.1$ (c, 1.05 in dioxan)

Solubility: BERDY SOL: Sol. MeOH, EtOAc; poorly sol. H₂O

UV: [neutral] $\lambda_{\max}$ 219 (sh) (ϵ); 224 (ϵ 29100); 232 (ϵ 27100); 240 (sh) (ϵ) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 224 (ϵ 29100); 233 (ϵ 27100) (MeOH) (Berdy)

References:

Kobayashi, K. *et al.*, *J. Antibiot.*, 1987, **40**, 1053, (*isol, struct, props*)